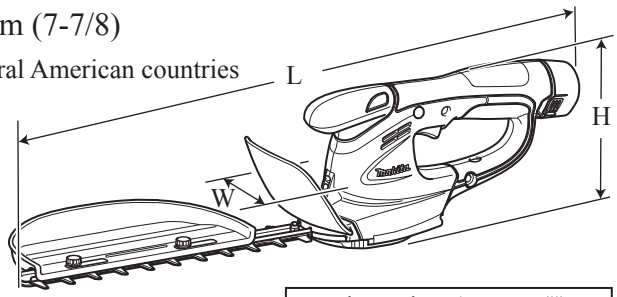
TECHNICAL INFORMATION

Model No. ► UH200D (HU01*)

Description ► Cordless Hedge Trimmer 200mm (7-7/8)

***1**: Model number for North and Central American countries



Dimensions*1: mm (")	
Length (L)	460 (18-1/8)
Width (W)	120 (4-3/4)
Height (H)	130 (5-1/8)

***1** without chip receiver

CONCEPT AND MAIN APPLICATIONS

Model UH200D is 200mm Cordless hedge trimmer powered by 10.8V/ 1.3Ah Li-ion battery BL1013.

Its main features are:

- Lightweight and compact design for easy handling
- Optional Grass shear blade kit can convert this model into Model UM164D Cordless grass shear.

This product is available in the following variations.

Model No.	Battery		Charger
	type	quantity	
UH200DZ	No		No
UH200DW	BL1013 (Li-ion 1.3Ah)	1	DC10WA
UH200DWE		2	

All models also include the accessories listed in "Standard equipment".

► Specification

Specification \ Model		UH200D
Battery	Voltage: V	10.8
	Capacity: Ah	1.3
	Cell	Li-ion
No load speed: min-1=spm*2		1,250
Blade length: mm (")		200 (7-7/8)
Tooth spacing: mm (")		26 (1)
Maximum branch diameter*3: mm (")		8 (5/16)
Overload protection		Yes
Weight according to EPTA-Procedure 01/2003 *4: kg (lbs)		1.2 (2.7)

***2** spm= stroke per minute

***3:** Indicates maximum diameter of the branch that can be received between adjacent two blade teeth. (See the figure on right.)

***4** with hedge trimmer blade, chip receiver

► Standard equipment

Chip receiver 1
Blade cover 1

Note: The standard equipment for the tool shown above may differ by country.

► Optional accessories

Battery BL1013
Charger DC10WA
Grass shear blade kit*5 (with a bottle of lubricant grease)
Hedge trimmer blade kit*6 (with a bottle of lubricant grease)
Extension handle kit*5
Chip receiver set*6
Accessory kit for use as a hedge trimmer*6 (including Blade cover, etc.)
Accessory kit for use as a grass shear*5 (including Base frame, etc.)

***5** for use as a grass shear
***6** for use as a hedge trimmer

► Repair

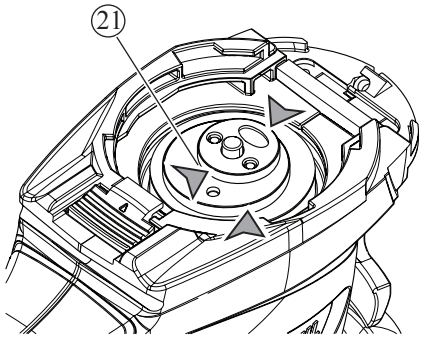
CAUTION: Repair the machine in accordance with “Instruction manual” or “Safety instructions”.

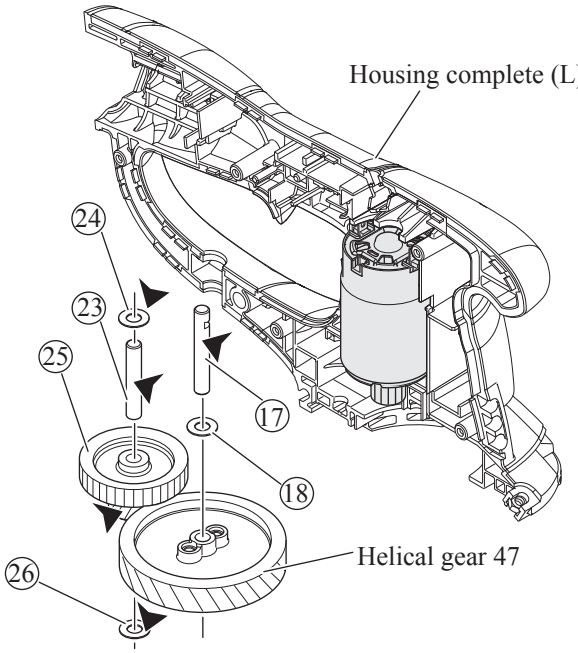
[1] LUBRICATIONS

Apply the following lubricant to protect parts and product from unusual abrasion.

Item No.	Description	Portion to lubricate	Lubricant	Amount
⑰	Pin 6 (with notch)	Drum portion for smooth rotation of Helical gear 47	Makita grease N No.2 ▼	a little
⑱⑳㉖	Washer 6	Whole portion		
㉑	Crank	Drum portions where Blade contact	Molybdenum disulfide ▽	1.5g
㉓	Pin 6	Drum portion for smooth rotation of ㉕ Gear 12-31	Makita grease N No.2 ▼	a little
㉕	Gear 12-31	Gear teeth with which Helical gear 47 and DC motor gear engage		2g

Fig. 1





► Repair

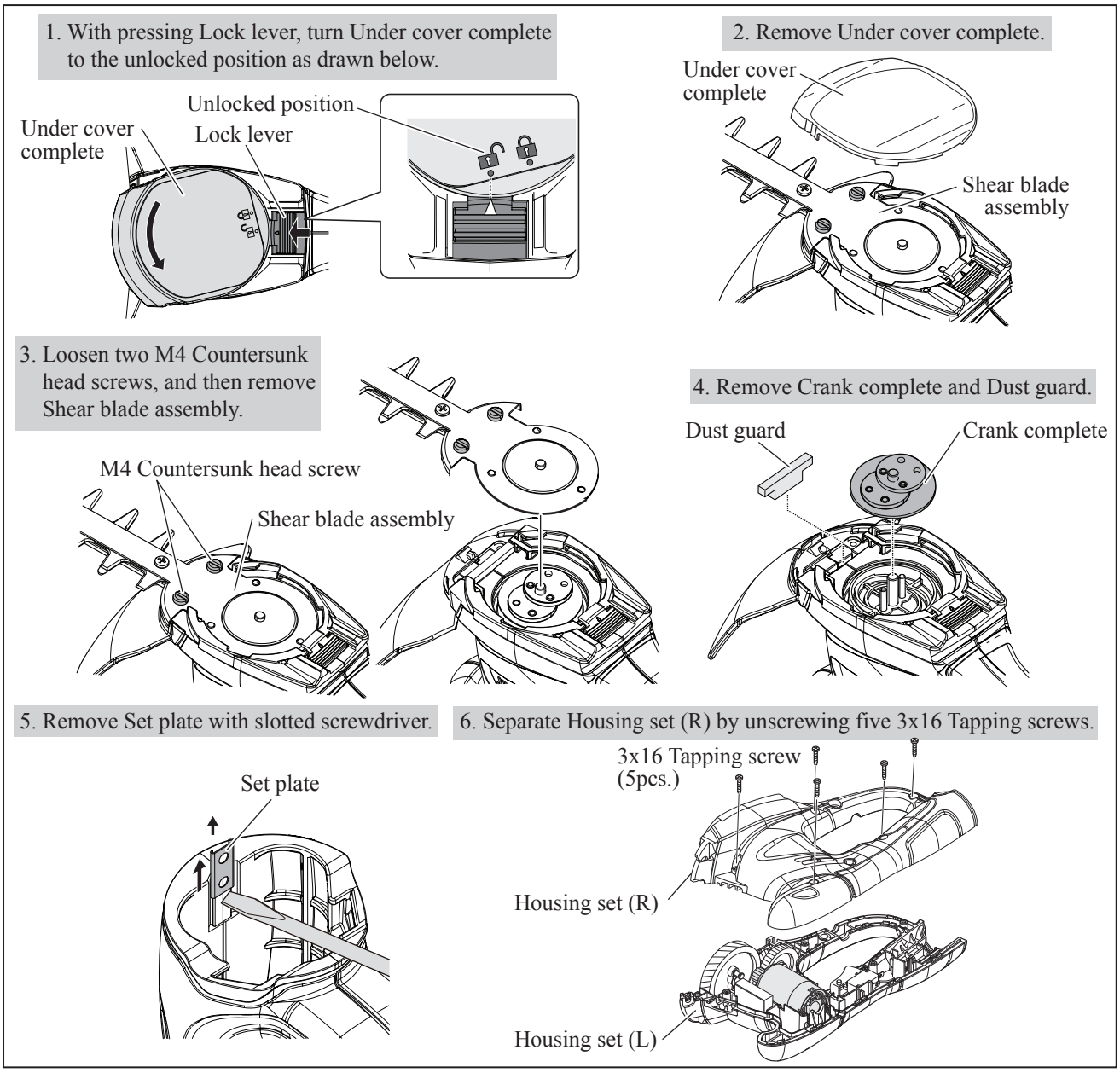
[2] DISASSEMBLY/ASSEMBLY

[2]-1. Gear 12-31, Helical gear 47

DISASSEMBLING

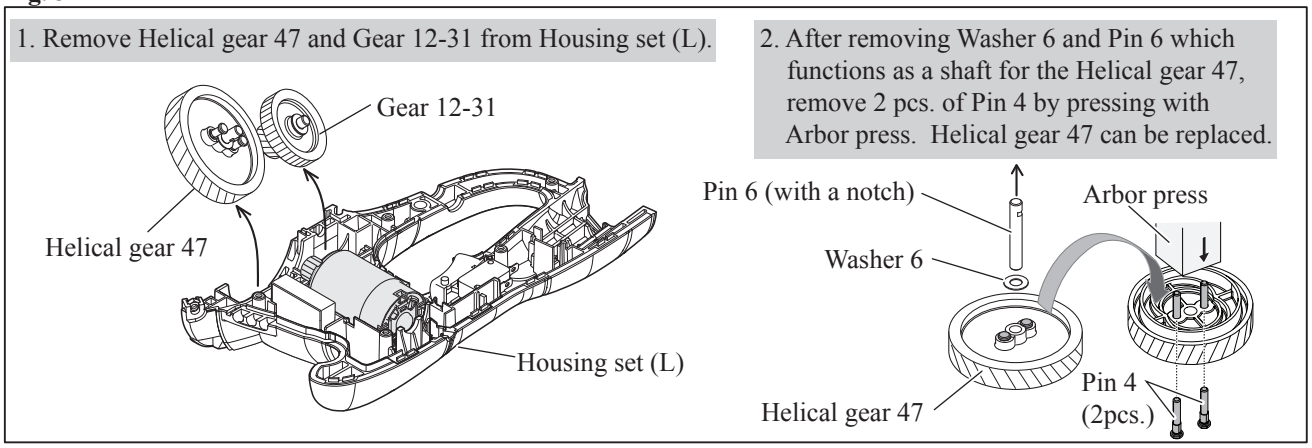
(1) Remove Blade, Crank and Housing set (R) as illustrated in **Fig. 2**.

Fig. 2



(2) After removing Housing set (R), Helical gear 47 and Gear 12-31 can be removed. (**Fig. 3**)

Fig. 3



► Repair

[2] DISASSEMBLY/ASSEMBLY

[2]-1. Gear 12-31, Helical gear 47

ASSEMBLING

(1) Assemble Helical gear 47, Gear 12-31. (**Figs. 4, 5**)
And mount them to Housing set (L). (**Fig. 6**)

Fig. 4

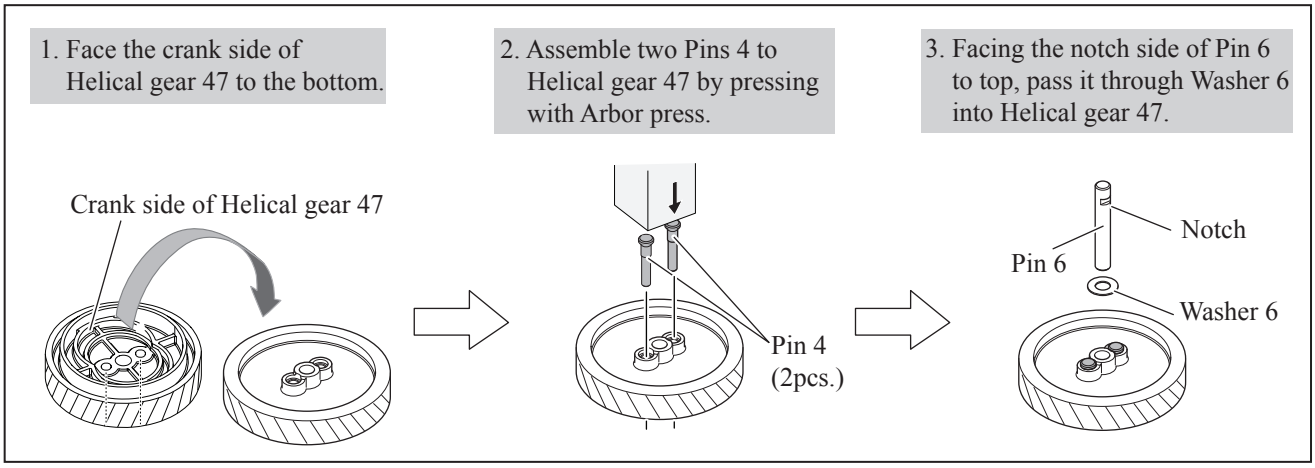


Fig. 5

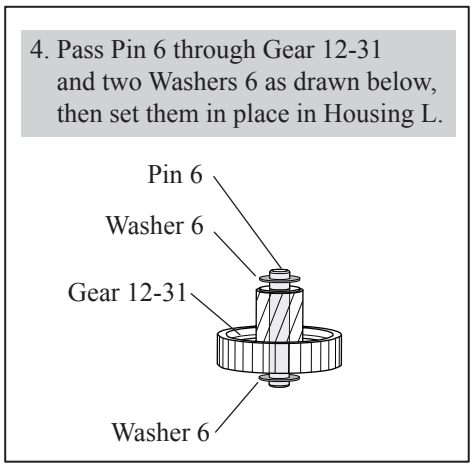
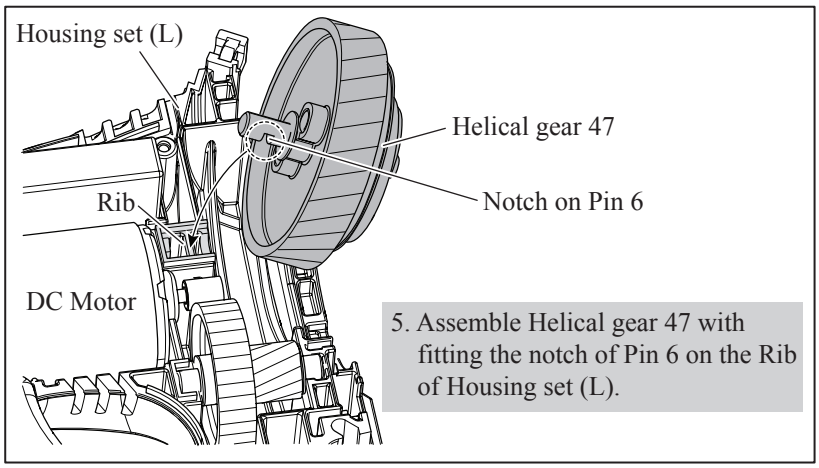
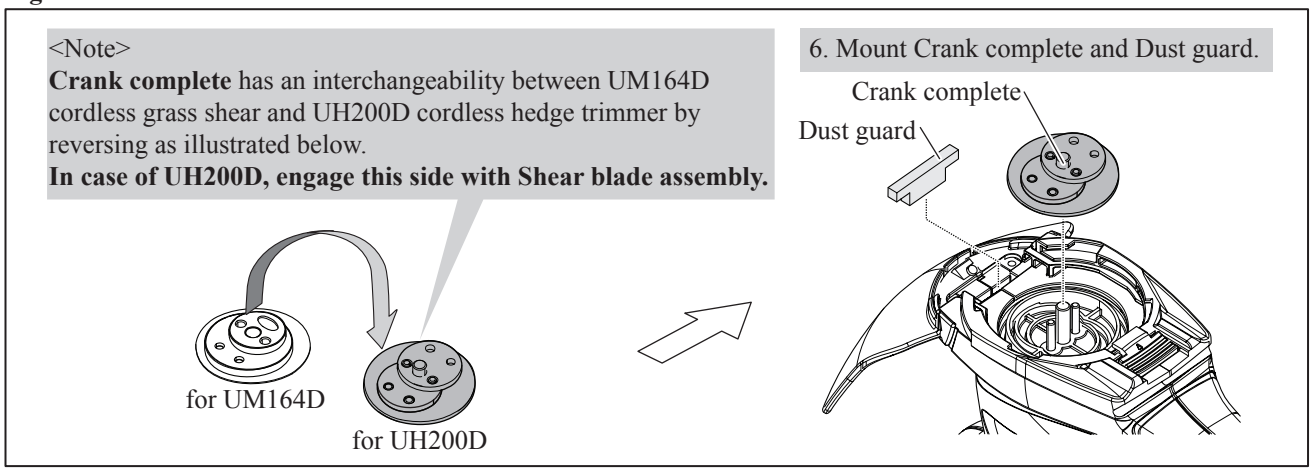


Fig. 6



(2) Assemble Protector to housing set. (**Center right** in **Fig. 2**)
(3) Mount Crank complete. (**Fig. 7**)

Fig. 7



(4) Mount Shear blade assembly and Under cover. See **Figs. 10, 11** in **"[3]-3. Shear Blade Assembly"**.

► Repair

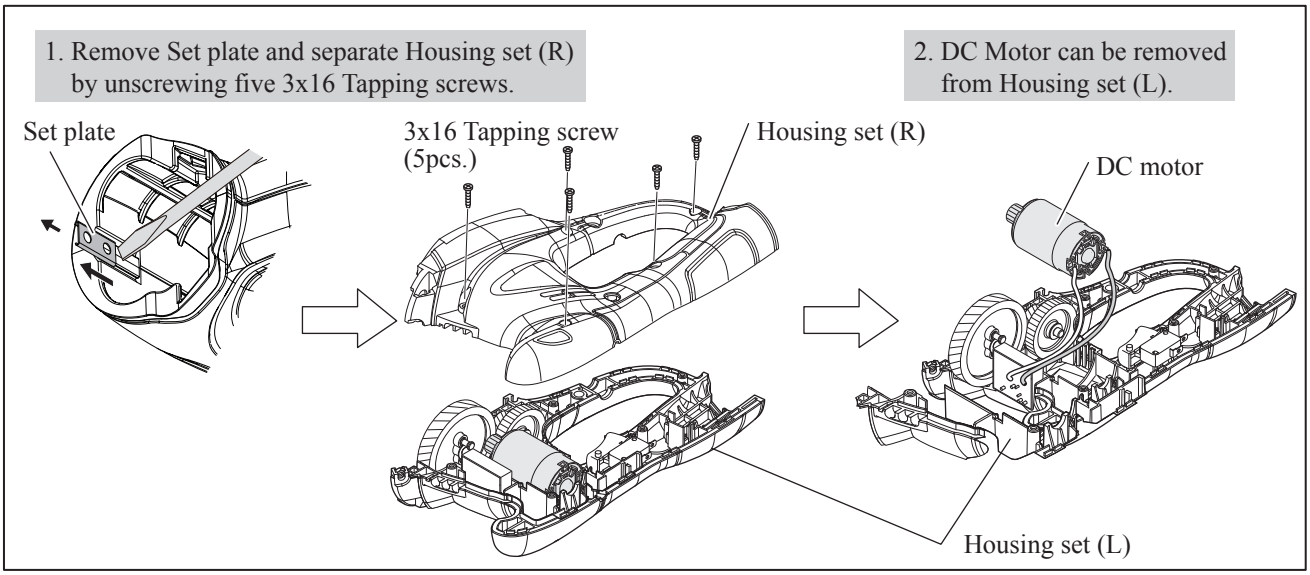
[2] DISASSEMBLY/ASSEMBLY

[2]-2. DC motor

DISASSEMBLING

(1) Disassemble DC motor. (**Fig. 8**)

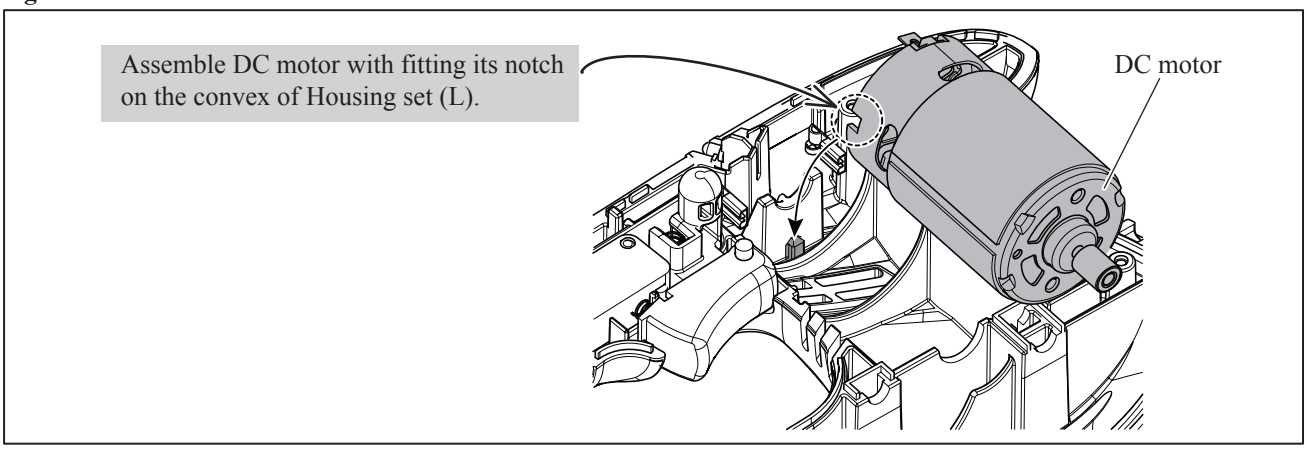
Fig. 8



ASSEMBLING

Set DC motor to Housing set (L). (**Fig. 9**)

Fig. 9



► Repair

[2] DISASSEMBLY/ASSEMBLY

[2]-3. Shear blade assembly

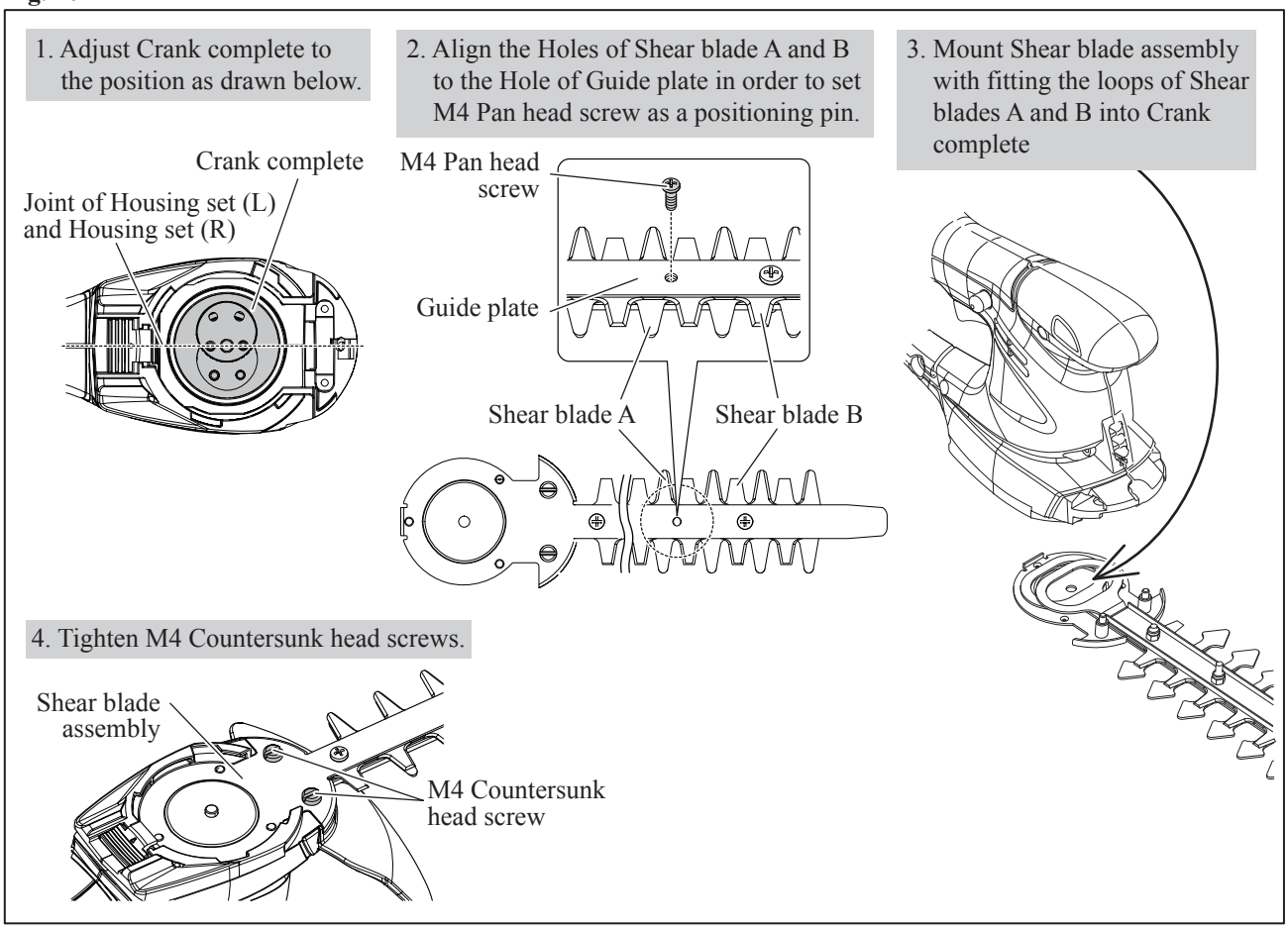
DISASSEMBLING

(1) Pull the rear portion of Base frame toward rear side designated with arrow. (**Top left** in **Fig. 2**)
(2) With pressing Lock lever, turn under cover complete to the unlocked position. (**Top right** in **Fig. 2**)
(3) Disassemble Under cover, and then remove Shear blade assembly. (**Center lef**t in **Fig. 2**)

ASSEMBLING

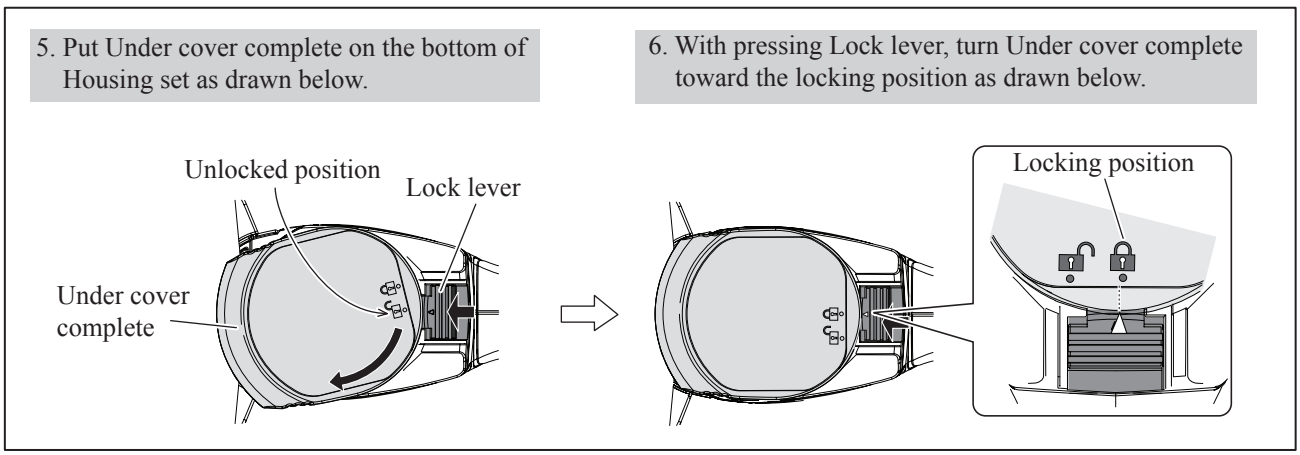
(1) Mount Shear blade assembly. (**Fig. 10**)

Fig. 10



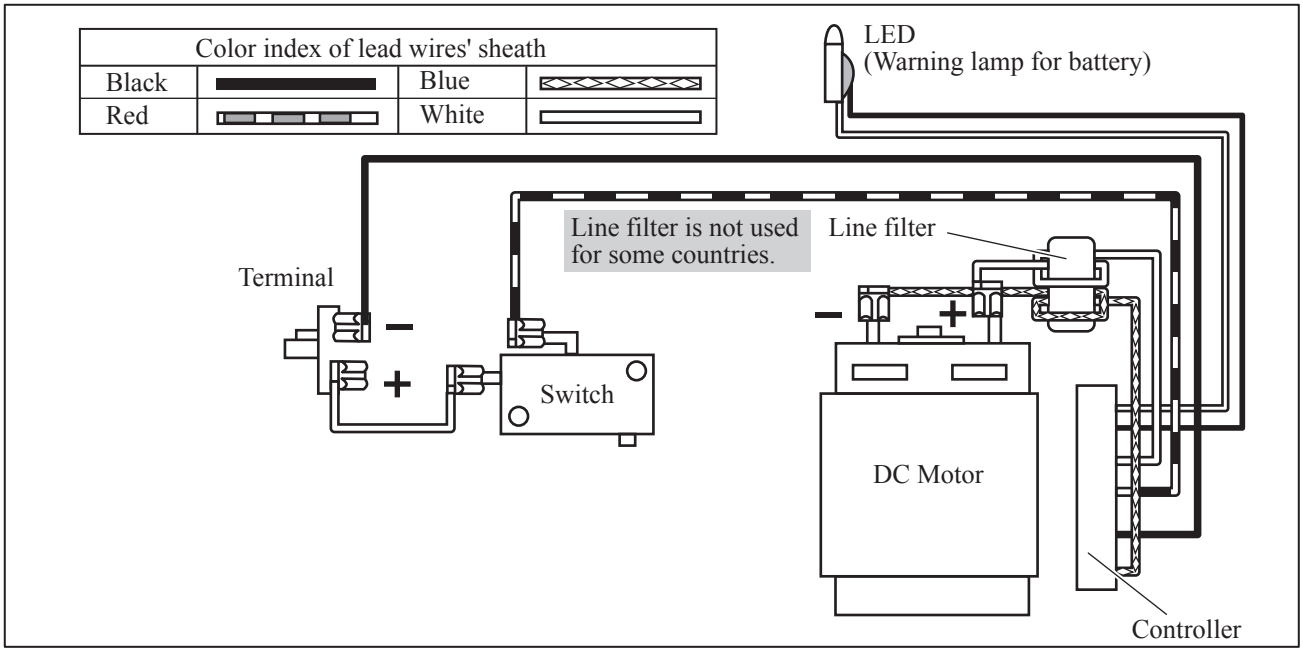
(2) Mount Under cover complete. (**Fig. 11**)

Fig. 11



Circuit diagram

Fig. D-1

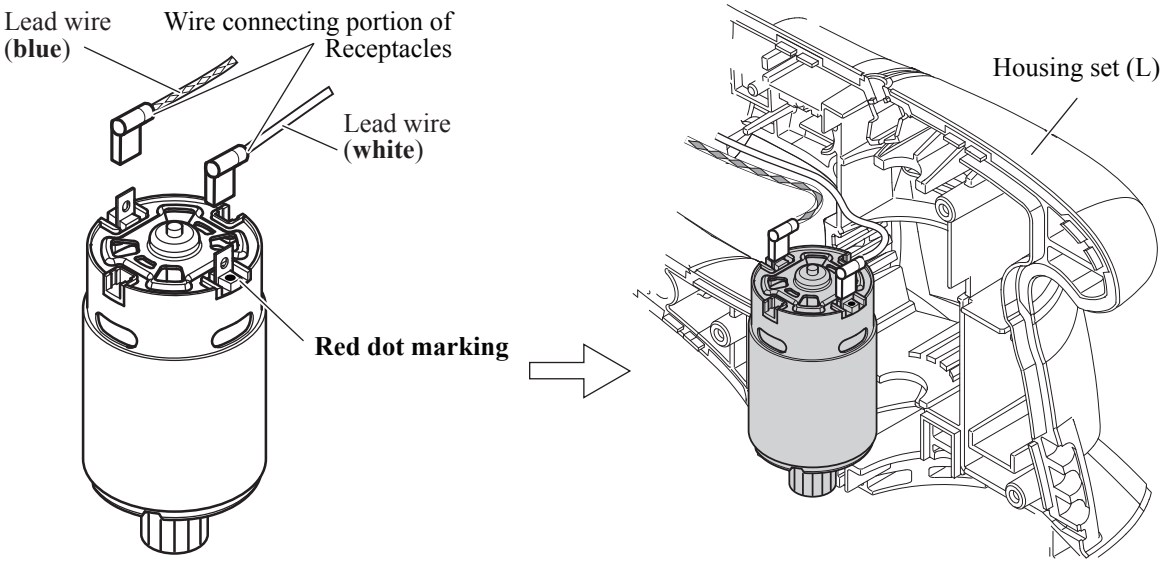


Wiring diagram

Fig. D-2

1. Find Terminal marked with **Red dot marking**.
2. Now connect the Lead wire (white) receptacle to the Terminal with **Red dot marking** and the Lead wire (**blue**) receptacle to the another Terminal.

3. DC motor can be mounted with facing the wire connecting portions of Receptacles to Housing set (L) side.



Wiring diagram (cont.)

Fig. D-3

Wind Controller´s Lead wires (blue, white) one time around Line filter.

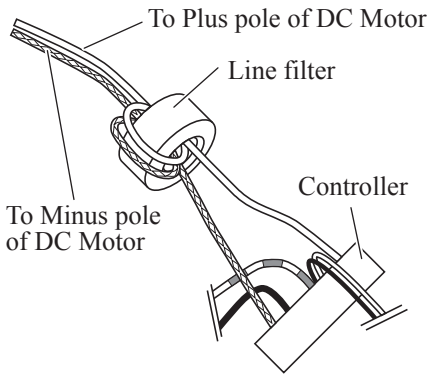


Fig. D-4

Controller has to be put into Housing set (L).
Note: Bring the Lead wire (blue) connecting portion to the bottom side (Helical gear 47 side) and the wires connecting portions to the front side (protector side).

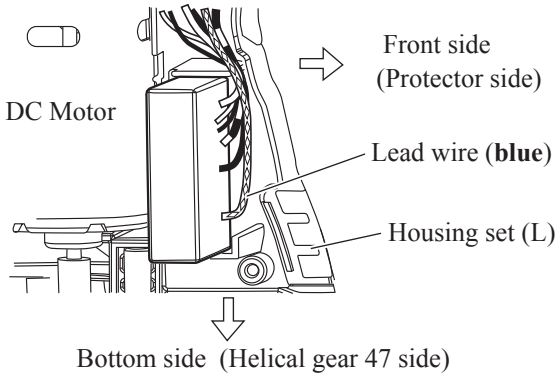
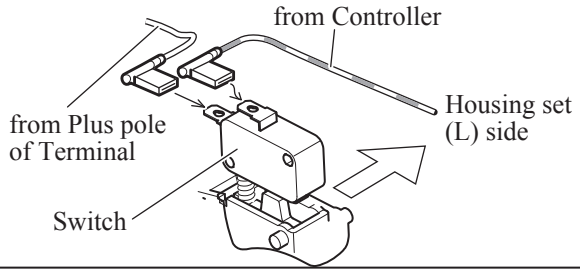


Fig. D-5

Connect Receptacles to the Switch with facing the wire connecting portion to the Housing set (L) side in order to put the Lead wires on the Housing set (L).



Connect Receptacles to the Terminal with facing the wire connecting portion to Housing set (L) side.

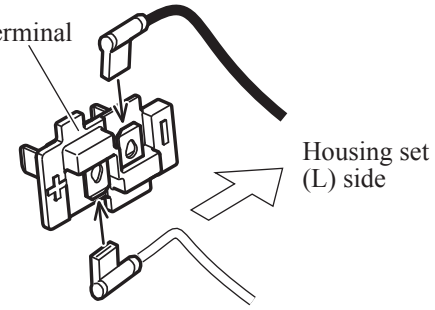
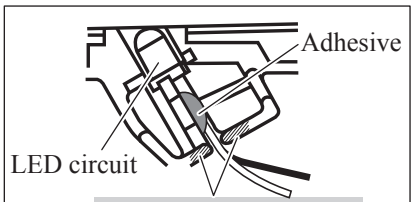


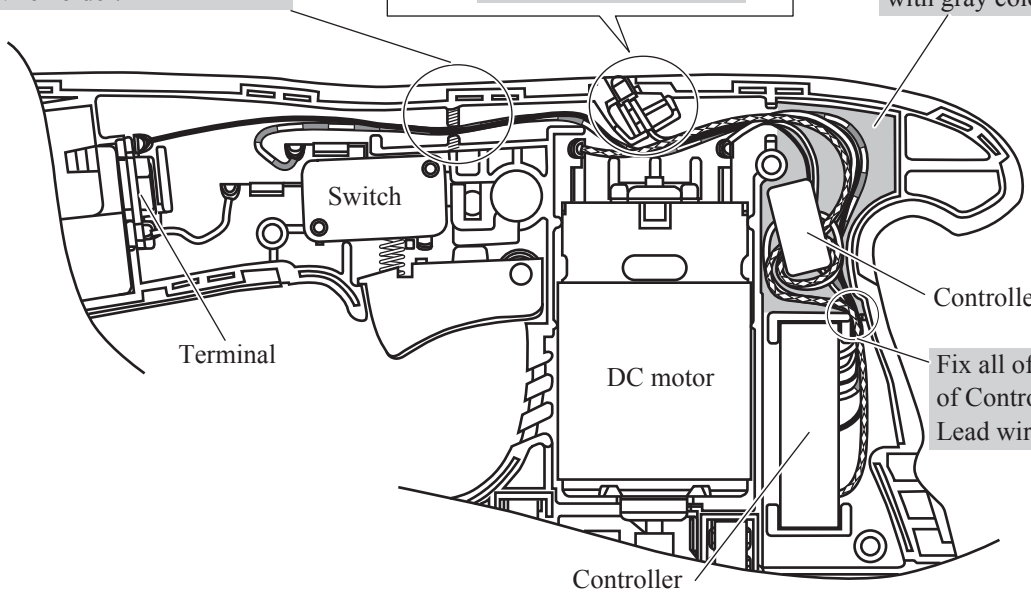
Fig. D-6



Pass the Lead wires of LED circuit between the Ribs.

Fix Controller´s Lead wires (red, black) in this Lead wire holder.

In case Line filter has to be used, put Line filter into the space designated with gray color.



Fix all of the Lead wires of Controller in this Lead wire holder.